



***National GeoTech Center (NGTC)
Advanced Geospatial Technology
2012 Summer Workshop***
(Collaborative efforts between SDSU and Southwestern College)

This workshop will introduce advanced geospatial technology (GIS, remote sensing, GPS, and cartography) and customizable geospatial learning modules for your own classes and students as well as textual materials.

Instructors: Anita & Roger Palmer, GISetc.

Hosts: Professor Ming Tsou, SDSU and Professor Ken Yanow, SWC

Location: San Diego State University, Geography Spatial Analysis Laboratory (SAL)

Date: July 18, 19, and 20, 2012

Time: 9:00AM – 4:00PM

Workshop Schedule:

DAY 1, July 18, Wednesday:

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| 0900 | Opening & Introduction (Tsou and Yanow) |
| 0930-1030 | Session 1: Online GIS Collaborative e-Book project; hands-on with Plone CMS |
| 1030-1045 | Break |
| 1045-1200 | Session 2: ArcGIS online intro, simple data entry, controlling representation
Sharing and group creation. *(Demo examples online) |
| 1200-1315 | Lunch (at the Faculty Club) |
| 1315-1430 | Session 3: Use mobile phone & Google Docs to map field data (trees)
Create their own data collection form |
| 1430-1445 | Break |
| 1445-1600 | Session 4: Geoprocessing of California health data
Zip and share results to your project |



DAY 2, July 19, Thursday:

- 0900-0930** Brainstorm e-Book outline and functions
- 0930-1000** Session 5: Introduction to ArcGIS online for organizations
Login to: t3gstudent pwd: t3gstudent
Create separate folders
- 1000-1030** Publishing Data to ArcGIS online through ArcGIS 10.1
Vectors and imagery
- 1030-1045** Break
- 1045-1200** Session 6: Using a simple shapefile for editing in the ArcGIS app
Use the map to gather data from the field
- 1200-1315** Lunch (at the Faculty Club)
- 1315-1430** Session 7: Image Analysis toolbar
Adding images, clipping images, elevation, shaded relief , false color imagery
NDVI
- 1430-1445** Break
- 1445-1600** Session 8: Unsupervised Classifications, Supervised Classifications

DAY 3, July 20, Friday:

- 0900-0930** GIS e-Book: sharing ideas for contributions
- 0930-1030** Session 9:
Group project creation and group templates
History Project
- 1030-1045** Break
- 1045-1200** Session 10: Creating an editable feature class with domains and ranges for field projects
- 1200-1315** Lunch (at the Faculty Club)
- 1315-1430** Session 11: Geocoding Addresses and GPS points using ArcGIS online
- 1430-1445** Break
- 1445-1530** Session 12: Story telling apps and review sharing applications
- 1530-1600** Discussion/Feedback and Closing (Tsou and Yanow)